

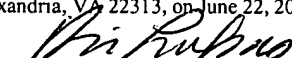


IPW

PATENT  
Docket No. \*

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Rimas T. Lukas

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Thomas M. BAER et al.

Serial No.: 10/827,151

Filing Date: April 19, 2004

For: TRANSFER FILM FOR LASER  
MICROCAPTURE

Examiner: Not yet assigned

Group Art Unit: Not yet assigned

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Dear Commissioner:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached PTO-1449 Forms. Copies of the documents were previously submitted in an Information Disclosure Statement and/or Office Action, directed to the related application Serial Number 09/788,117, filed February 16, 2001, and, accordingly, copies are not included herewith. This protocol conforms with 37 C.F.R.

§1.98(d) and M.P.E.P. 609(A)(2). The Examiner is requested to make these documents of record in the application.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - ☐ A fee is required. A check in the amount of \* is enclosed.
  - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of \* is enclosed.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Forms PTO-1449, and/or PTO/SB/08A indicating that the information has been considered and made of record herein.

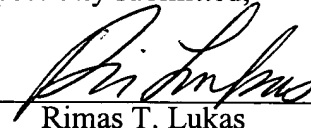
The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time. The Office is invited to contact the applicant's representative at the number below to facilitate prosecution of this application.

Dated: June 22, 2004

Respectfully submitted,

By:

  
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Registration No. (46,451)

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PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/827,151	
	Filing Date	April 19, 2004	
	First Named Inventor	Thomas M. BAER	
	Art Unit	Not yet assigned	
	Examiner Name	Not yet assigned	
Total Number of Pages in This Submission	12	Attorney Docket Number	ARC012001301

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): --Forms PTO-1449 --8 pages --Return Postcard
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Rimas T. Lukas (Reg. No. 46,451)
Signature	
Date	June 22, 2004

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Rimas T. Lukas		
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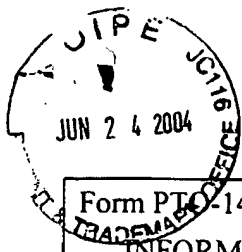
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Application Number	10/827,151
Filing Date	April 19, 2004
First Named Inventor	Thomas M. BAER
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	ARC012001301

[illegible][illegible]Date  
Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Form PTO-1449

Docket Number ARC012001301

Application Number 10/827,151

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Thomas M. BAER et al.

Filing Date April 19, 2004

Group Art Unit Not yet assigned

Mailing Date June 22, 2004

## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	11/25/1986	4,624,915	Schindler et al.			
	2.	12/16/1986	4,629,687	Schindler et al.			
	3.	04/13/1993	5,202,230	Kamentsky			
	4.	12/26/1995	5,479,252	Worster et al.			
	5.	07/30/1996	5,541,064	Bacus et al.			
	6.	09/09/1997	5,665,582	Kausch et al.			
	7.	03/03/1998	5,723,290	Eberwine et al.			
	8.	06/02/1998	5,759,781	Ward et al.			
	9.	10/06/1998	5,817,462	Garini et al.			
	10.	12/07/1999	5,998,129	Schütze et al.			
	11.	08/08/2000	6,100,051	Goldstein et al.			
	12.	04/10/2001	6,215,550 B1	Baer et al.			
	13.	06/26/2001	6,251,467 B1	Liotta et al.			
	14.	06/26/2001	6,251,516 B1	Bonner et al.			
	15.	10/18/2001	US Publication no. 2001/0031481 A1	Liotta et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
	16.	02/10/2000	WO 00/06992 A1	WIPO				
	17.	05/30/1991	WO 91/07683 A1	WIPO				
	18.	08/14/1997	196 03 996 A1	Germany				X

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner	Ref.	Title
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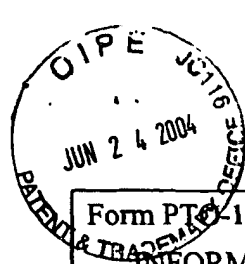
<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	Docket Number <b>ARC012001301</b>		Application Number <b>10/827,151</b>
	Applicant  <b>Thomas M. BAER et al.</b>		
	Filing Date <b>April 19, 2004</b>		Group Art Unit <b>Not yet assigned</b>
	Mailing Date <b>June 22, 2004</b>		

Initials	No.	
	19.	English Abstract for German Patent DE 196 03 996 A1 retrieved in Dialog database in file 12 on December 12, 2001.

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Form PTO-1449

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Application Number 10/827,151

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Applicant

Thomas M. BAER et al.

Filing Date April 19, 2004

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## U.S. PATENT DOCUMENTS

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	2.	01/13/1981	4,245,003	Oransky et al.			
	3.	06/08/1982	4,333,983	Allen			
	4.	12/17/1985	4,559,266	Misasa et al.			
	5.	06/16/1987	4,673,261	Hunt et al.			
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	7.	02/20/1990	4,901,738	Brink et al.			
	8.	04/24/1990	4,920,053	Inoue et al.			
	9.	05/08/1990	4,923,294	Courtenay			
	10.	01/22/1991	4,987,006	Williams et al.			
	11.	10/15/1991	5,057,689	Nomura et al.			
	12.	12/31/1991	5,077,620	Mauro			
	13.	03/17/1992	5,096,775	Sato et al.			
	14.	06/30/1992	5,126,877	Biber			
	15.	01/18/1994	5,280,384	Shibasaki			
	16.	02/22/1994	5,288,996	Betzig et al.			
	17.	03/22/1994	5,296,291	Mueller			
	18.	09/13/1994	5,346,765	Maeda et al.			
	19.	02/21/1995	5,391,329	Dougherty et al.			
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	21.	02/20/1996	5,492,861	Opower			
	22.	06/25/1996	5,529,841	Neihof			
	23.	11/12/1996	5,574,077	Dougherty et al.			
	24.	11/19/1996	5,576,264	Ueno et al.			
	25.	12/03/1996	5,580,612	Hickel et al.			
	26.	12/17/1996	5,585,246	Dubrow et al.			

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	Applicant			
	Thomas M. BAER et al.			
	Filing Date	April 19, 2004	Group Art Unit	Not yet assigned
Mailing Date June 22, 2004				

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34.	07/23/1998	USSN 09/121,677	Baer et al.			
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36.	12/01/1998	5,843,644	Liotta et al.			
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Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
	49.	04/08/1997	09 095657	Japan			Abstract	
	50.	09/08/1995	WO 95/23960 A1	WIPO				
	51.	04/17/1997	WO 97/13838 A1	WIPO				
	52.	08/13/1998	WO 98/35215 A1	WIPO				
	53.	08/13/1998	WO 98/35216 A1	WIPO				

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	Thomas M. BAER et al.			
	Filing Date	April 19, 2004	Group Art Unit	Not yet assigned
Mailing Date June 22, 2004				

	54.	08/20/1998	WO 98/36261 A1	WIPO				
	55.	04/08/1999	WO 99/17094 A2	WIPO				
	56.	06/15/2000	WO 00/34757 A1	WIPO				
	57.	11/16/2000	WO 00/68662 A1	WIPO				

**OTHER DOCUMENTS***(including author, title, Date, Pertinent Pages, Etc.)*

Examiner Initials	Ref. No.	Title
	58.	Banks, Rosamunde E. et al. (1999). "The potential use of laser capture microdissection to selectively obtain distinct populations of cells for proteomic analysis - Preliminary findings" <i>Electrophoresis</i> 20:689-700.
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	Filing Date	April 19, 2004	Group Art Unit	Not yet assigned
Mailing Date June 22, 2004				

71.	Goldsworthy, Susan M. et al. (1999). "Effects of fixation on RNA extraction and amplification from laser capture microdissected tissue" <i>Molecular Carcinogenesis</i> 25:86-91.
72.	Haber, Seth L. (September 1999). "Future Innovations in Pathology: PixCellated" CAP Today pp. 1-2.
73.	Isenberg, G. et al. (May 1976). "Cell surgery by laser micro-dissection: a preparative method" <i>J. Microscopy</i> 107, Pt 1:19-24.
74.	Jones, Chris et al. (June 2000). "Comparative genomic hybridization analysis of myoepithelial carcinoma of the breast" <i>Laboratory Investigation</i> 80(6):831-836.
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79.	Maitra, Anirban et al. (Rev. 1/26/1999). "Enrichment of epithelial cells for molecular studies" <i>Hamon Center for Therapeutic Oncology Research and Departments of Pathology, Internal Medicine and Pharmacology, University of Texas Southwestern Medical Center Dallas, Texas</i> pp. 1-23.
80.	Meier-Ruge, W. et al. (1976). "The laser in the Lowry technique for microdissection of freeze-dried tissue slices" <i>Histochemical J.</i> 8:387-401.
81.	Murakami, Hiroshi et al. (2000). "IF-LCM: Laser capture microdissection of immunofluorescently defined cells for mRNA analysis" <i>Kidney International</i> 58:1346-1353.
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83.	Reiman, David A. (21 May 1999). "The search for unrecognized pathogens" <i>Science</i> 284:1-3.
84.	Schindler, Melvin (1998). "Select, microdissect, and eject" <i>Nature Biotechnology</i> 16:719-720.
85.	Schütze, Karin & Lahr, Georgia (1998). "Identification of expressed genes by laser-mediated manipulation of single cells" <i>Nature Biotechnology</i> 16:737-742.
86.	Shen, Chen-Yang et al. (July 15, 2000). "Genome-wide search for loss of heterozygosity using laser capture microdissected tissue of breast carcinoma: An implication for mutator phenotype and breast cancer pathogenesis" <i>Cancer Research</i> 61:3884-3892.
87.	Sinclair, Bob (November 8, 1999). "The cell is my test tube. Micromanipulation tools for cell science" <i>The Scientist</i> 13(22):17, pp. 1-8.

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|-----|---|
| 88. | Tam, Andrew S. et al. (August 1, 1991). "High frequency and heterogeneous distribution of p53 mutations in aflatoxin B <sub>1</sub> -induced mouse lung tumors" <i>Cancer Research</i> 59:3634-3640.  |
| 89. | Veigel, Claudia et al. (1994). "New cell biological applications of the laser microbeam technique: the microdissection and skinning of muscle fibers and the perforation and fusion of sarcolemma vesicles" <i>Eur. J. Cell Biology</i> 63:140-148. |

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